

SUB
B7

A11

19. (Amended) The motor as claimed in claim 9, wherein the rotor is eccentric to generate vibrations during rotation.

20. (Amended) A method of manufacturing a non-circular flat motor having brushes, the method comprising:

pressing a lead frame having a plurality of yoke plates arranged at a predetermined pitch by a connection portion;

inserting the yoke plates in an injection mold and molding a resin bracket in the mold;

detaching at least a connection portion of the yoke plates at respective connection portions;

installing the rotor on a fixed shaft for rotating; and

installing a case.

21. (Amended) The method as claimed in claim 20, further comprising:

fixing brushes to the resin bracket by spot welding, the brushes having the same pitch as the yoke plates; and

installing a magnet on the yoke plate.

IN THE ABSTRACT

Replace the abstract with:

Abstract of the Disclosure

A non-circular flat motor in which terminal portions are installed at dead spaces and a manufacturing method. The motor can be easily held by a transferring apparatus and automatically mounted. The feeder terminal is easily reflow soldered. A rotor and a housing supporting the rotor are non-circular when in a plane perpendicular to the rotor axis. Feeder terminals or installation terminals are arranged at corners of surfaces of the housing. At least one feeder terminal is insulated from other portions of the housing. The

In re Application of T. Yamaguchi
Application No. Unassigned

A12


corners may be concave so that each of the terminals does not protrude beyond the housing. Each of the terminals is easily reflow-soldered and exposed at the side of the housing.

05770303-043004

[illegible]

A favorable Action on the merits is solicited.

LEYDIG, VOIT & MAYER, LTD.

LEYDIG, VOIT & MAYER, LTD.

Jeffrey A. Wyand,
Registration No. 29,458

Facsimile: (202) 737-6776
Date: January 29, 2001
JAW:cmcg